**METRAVI**®
Setting Trends. Showing the Way.

# DIGITAL STORAGE OSCILLOSCOPE

**DSO-6050**
**DSO-6100**
**DSO-6200**

## APPLICATIONS

- Electronic circuits debugging
- Circuit testing
- Designing & Manufacturing
- Education & Training
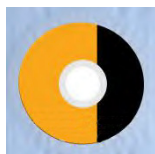- Automobile maintenance & designing

## FEATURES

- Bandwidth : 50MHz - 200MHz
- 2-Channel
- Sample rate : 1GS/s
- Ultra-thin body
- 7 inch high resolution LCD
- SCPI and LabVIEW supported

## ACCESSORIES



| Power Cord | Software | User Manual | USB Cable | Probe | Probe Adjust | Soft Bag |

*Technical Specifications & Appearance are subject to change without prior notice

METRAVI®
Setting Trends. Showing the Way.

# DIGITAL STORAGE OSCILLOSCOPE

DSO-6050
DSO-6100
DSO-6200

## TECHNICAL SPECIFICATIONS

| Specification / Model | DSO-6050 | DSO-6100 | DSO-6200 |
|---|---|---|---|
| Bandwidth | 50MHz | 100MHz | 200MHz |
| Sample Rate | 1GS/s | 1GS/s | 1GS/s |
| Horizontal Scale (s/div) | 5ns/div - 1000s/div, step by 1 - 2 - 5 | 2ns/div - 1000s/div, step by 1 - 2 - 5 | |
| Rise Time (at input, typical) | ≤17.5ns | ≤7ns | ≤3.5ns |
| Channel | 2 | | |
| Display | 7" colour LCD, 800 x 480 pixels | | |
| Input Impedance | 1MΩ ± 2%, in parallel with 20pF±5pF | | |
| Channel Isolation | 50Hz : 100 : 1, 10MHz : 40 : 1 | | |
| Max Input Voltage | 400V (PK - PK) (DC+AC, PK - PK) | | |
| DC Gain Accuracy | ±3% | | |
| Record Length | 10K | | |
| DC Accuracy (average) | Average≥16：±(3% reading + 0.05 div) for △V | | |
| Probe Attenuation Factor | 1X, 10X, 100X, 1000X | | |
| LF Respond (AC, -3dB) | ≥10Hz (at input, AC coupling, -3dB) | | |
| Sample Rate / Relay Time Accuracy | ±100ppm | | |
| Interpolation | sin (x) / x | | |
| Interval (△T) Accuracy (full bandwidth) | Single : ±(1 interval time + 100ppm x reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm x reading + 0.4ns) | | |
| Input Coupling | DC, AC , and GND | | |
| Vertical Resolution (A/D) | 8 bits (2 channels simultaneously) | | |
| Vertical Sensitivity | 5mV/div - 5V/div (at input) | | |
| Trigger Type | Edge, Video | | |
| Trigger Mode | Auto, Normal, and Single | | |
| Trigger Level | ±5 divisions from screen center | | |
| Line / Field Frequency (video) | NTSC, PAL and SECAM standard | | |
| Cursor Measurement | △V, and △T between cursors | | |
| Automatic Measurement | Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B , Delay A→B , area, cycle area | | |
| Waveform Math | +, −, x, ÷, invert, FFT | | |
| Waveform Storage | 16 waveforms | | |
| Lissajous Figure — Bandwidth | Full bandwidth | | |
| Lissajous Figure — PhaseDifference | ±3 degrees | | |
| Communication Interface | USB host, USB device | | |
| Frequency Counter | Available | | |
| Power Supply | 100V - 240V AC, 50/60Hz, CAT II | | |
| Power Consumption | ＜15W | | |
| Fuse | 2A, T class, 250V | | |
| Dimension (W x H x D) | 301 x 152 x 70 mm | | |
| Device Weight | 1.10 kg | | |

*Technical Specifications & Appearance are subject to change without prior notice